

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 January 2006 (12.01.2006)

PCT

(10) International Publication Number
WO 2006/004885 A3

(51) International Patent Classification:
A61F 2/38 (2006.01)

(21) International Application Number:
PCT/US2005/023200

(22) International Filing Date: 28 June 2005 (28.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/583,549 28 June 2004 (28.06.2004) US
10/994,453 22 November 2004 (22.11.2004) US

(71) Applicant (for all designated States except US):
ARTHROSURFACE, INC. [US/US]; 28 Forge Parkway,
Franklin, Massachusetts 02038 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **EK, Steven W.**
[US/US]; 49 Powder Hill Road, Bolton, Massachusetts
01740 (US).

(74) Agents: **PFLEGER, Edmund P.** et al.; Grossman Tucker
Perreault & Pfleger, PLLC, 55 South Commercial St., Man-
chester, New Hampshire 03101 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

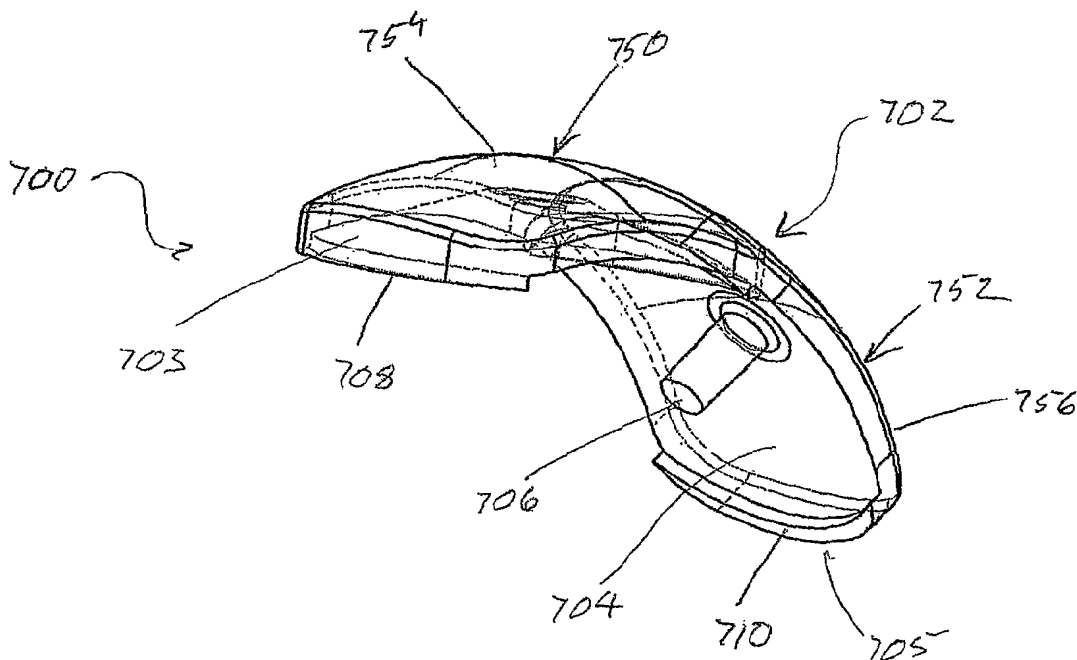
Published:

— with international search report

(88) Date of publication of the international search report:
29 March 2007

[Continued on next page]

(54) Title: SYSTEM FOR ARTICULAR SURFACE REPLACEMENT



(57) Abstract: A system for replacing a portion of an articular surface including providing an implant site and installing an implant into the implant site. The implant site includes a first and a second excision site which at least partially intersect with one another. Each of the first and second excision sites are formed by providing a respective axis and excising a portion of the articular surface relative to the respective axes.



WO 2006/004885 A3



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/23200

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A61F 2/38** (2006.01)

USPC: 606/96;623/20.3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 606/79,88,96;623/20.14,20.3,20.31,20.35

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/0039455 A (SIMON et al) 08 November 2001 (08.11.2001), entire disclosure.	1-16
X,P	US 2004/0199166 A (SCHMIEDING et al) 07 October 2004 (07.10.2004), entire disclosure.	17-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

16 August 2006 (16.08.2006)

Date of mailing of the international search report

29 NOV 2006

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

Richard R. Shaffer

Telephone No. 571-272-3700

